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L1 6175 JOHNSON, D?/AU

=> s johnson,a. d?/au  
L2 169 JOHNSON,A. D?/AU

=> d l2 1-20

L2 ANSWER 1 OF 169 CAPLUS COPYRIGHT 2001 ACS  
AN 2001:677750 CAPLUS  
TI Axbrn-1: a maternal transcript encodes a POU transcription factor that is later expressed in the developing central nervous system of axolotl embryos  
AU Masi, T.; **Johnson, A. D.**  
CS Department of Biological Science, Florida State University, Tallahassee, FL, 32301  
SO Dev. Genes Evol. (2001), 211(8-9), 449-452  
CODEN: DGEVFT; ISSN: 0949-944X  
PB Springer-Verlag  
DT Journal  
LA English

L2 ANSWER 2 OF 169 CAPLUS COPYRIGHT 2001 ACS  
AN 2001:545922 CAPLUS  
DN 135:112059  
TI Formation of thin-film shape memory alloys for space-filling intravascular stents  
IN **Johnson, A. David**; Martynov, Valery V.; Gupta, Vikas; Bose, Arani

PA Smart Therapeutics, Inc., USA  
SO PCT Int. Appl., 23 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001053559	A1	20010726	WO 2001-US2253	20010124
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
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L2 ANSWER 3 OF 169 CAPLUS COPYRIGHT 2001 ACS

AN 2001:534186 CAPLUS

TI Auger recombination in In<sub>N</sub>xSb<sub>1-x</sub> at long wavelength

AU Pidgeon, C. R.; Findlay, P. C.; Murdin, B. N.; Kamal-Saadi, M.; O'Reilly, E.; Adams, A. R.; Wells, J.-P. R.; Bradley, I. V.; Burke, T.; Johnson, A. D.; Ashley, T.

CS Department of Physics, Heriot Watt University, Edinburgh, EH14 4AS, UK

SO Springer Proc. Phys. (2001), 87(Proceedings of the 25th International Conference on the Physics of Semiconductors, 2000, Part II), 1667-1668  
CODEN: SPPPEL; ISSN: 0930-8989

PB Springer-Verlag

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LA English

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L2 ANSWER 4 OF 169 CAPLUS COPYRIGHT 2001 ACS

AN 2001:399085 CAPLUS

DN 135:144861

TI In situ x-ray topography measurement of the growth temperature dependence of the critical thickness of epitaxial InGaAs on GaAs

AU Tanner, B. K.; Parbrook, P. J.; Whitehouse, C. R.; Keir, A. M.; Johnson, A. D.; Jones, J.; Wallis, D.; Smith, L. M.; Lunn, B.; Hogg, J. H. C.

CS Department of Physics, University of Durham, Durham, DH1 3LE, UK

SO J. Phys. D: Appl. Phys. (2001), 34(10A), A109-A113

CODEN: JPAPBE; ISSN: 0022-3727

PB Institute of Physics Publishing

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L2 ANSWER 5 OF 169 CAPLUS COPYRIGHT 2001 ACS

AN 2001:171097 CAPLUS

DN 134:373633

TI Auger recombination in long-wavelength infrared In<sub>N</sub>Sb<sub>1-x</sub> alloys

AU Murdin, B. N.; Kamal-Saadi, M.; Lindsay, A.; O'Reilly, E. P.; Adams, A. R.; Nott, G. J.; Crowder, J. G.; Pidgeon, C. R.; Bradley, I. V.; Wells, J.-P. R.; Burke, T.; **Johnson, A. D.**; Ashley, T.

CS Department of Physics, University of Surrey, Guildford, GU2 7XH, UK

SO Appl. Phys. Lett. (2001), 78(11), 1568-1570

CODEN: APPLAB; ISSN: 0003-6951

PB American Institute of Physics

DT Journal

LA English

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L2 ANSWER 6 OF 169 CAPLUS COPYRIGHT 2001 ACS

AN 2001:30294 CAPLUS

DN 134:287488

TI Direct determination of Shockley-Read-Hall trap density in InSb/InAlSb detectors

AU Nott, G. J.; Findlay, P. C.; Crowder, J. G.; Pidgeon, C. R.; Elliott, C. T.; Ashley, T.; **Johnson, A. D.**; Wells, J.-P. R.; Bradley, I. V.; Murdin, B. N.; White, A. M.

CS Department of Physics, Heriot-Watt University, Edinburgh, EH14 4AS, UK

SO J. Phys.: Condens. Matter (2000), 12(50), L731-L734

CODEN: JCOMEL; ISSN: 0953-8984

PB Institute of Physics Publishing

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LA English

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II (SPIE) 1998, V3279, P104 CAPLUS

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L2 ANSWER 7 OF 169 CAPLUS COPYRIGHT 2001 ACS

AN 2000:867212 CAPLUS

DN 134:154971

TI Minimally cooled InSb/InAlSb LED and photodiode devices applied to nitrogen dioxide detection at ppm levels

AU Crowder, J. G.; Ashley, T.; Elliott, C. T.; Pryce, G. J.; **Johnson, A. D.**  
CS Department of Physics, Heriot-Watt University, Edinburgh, EH14 4AS, UK  
SO Electron. Lett. (2000), 36(22), 1867-1869  
CODEN: ELLEAK; ISSN: 0013-5194  
PB Institution of Electrical Engineers  
DT Journal  
LA English  
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- (2) Elliott, C; Appl Phys Lett 1999, V74, P2881 CAPLUS
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AN 2000:692343 CAPLUS  
DN 133:357708  
TI Dependence of the critical thickness on Si doping of InGaAs on GaAs  
AU Tanner, B. K.; Parbrook, P. J.; Whitehouse, C. R.; Keir, A. M.;  
**Johnson, A. D.**; Jones, J.; Wallis, D.; Smith, L. M.; Lunn, B.;  
Hogg, J. H. C.  
CS Department of Physics, University of Durham, Durham, DH1 3LE, UK  
SO Appl. Phys. Lett. (2000), 77(14), 2156-2158  
CODEN: APPLAB; ISSN: 0003-6951  
PB American Institute of Physics  
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LA English  
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L2 ANSWER 9 OF 169 CAPLUS COPYRIGHT 2001 ACS  
AN 2000:469486 CAPLUS  
DN 133:359542  
TI Turning genes off by Ssn6-Tup1: a conserved system of transcriptional repression in eukaryotes  
AU Smith, R. L.; **Johnson, A. D.**  
CS Dept of Biochemistry and Biophysics, University of California San Francisco, San Francisco, CA, 94143, USA  
SO Trends Biochem. Sci. (2000), 25(7), 325-330  
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PB Elsevier Science Ltd.  
DT Journal; General Review  
LA English  
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L2 ANSWER 10 OF 169 CAPLUS COPYRIGHT 2001 ACS  
AN 2000:446895 CAPLUS

DN 133:127374  
 TI InNxB1-x light emitting diodes grown by MBE  
 AU **Johnson, A. D.**; Bennett, R. H.; Newey, J.; Pryce, G. J.;  
 Williams, G. M.; Burke, T. M.; Jones, J. C.; Keir, A. M.  
 CS Defence and Evaluation Research Agency, Gt Malvern, WR14 3PS, UK  
 SO Mater. Res. Soc. Symp. Proc. (2000), 607(Infrared Applications of  
 Semiconductors III), 23-27  
 CODEN: MRSPDH; ISSN: 0272-9172  
 PB Materials Research Society  
 DT Journal  
 LA English  
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L2 ANSWER 11 OF 169 CAPLUS COPYRIGHT 2001 ACS  
 AN 1999:812567 CAPLUS  
 DN 132:114692  
 TI Auger recombination dynamics of InxGal-xSb  
 AU Findlay, P. C.; Pidgeon, C. R.; Pellemans, H.; Kotitschke, R.; Murdin, B.  
 N.; Ashley, T.; **Johnson, A. D.**; White, A. M.; Elliott, C. T.  
 CS Physics Department, Heriot Watt University, Edinburgh, EH14 4AS, UK  
 SO Semicond. Sci. Technol. (1999), 14(12), 1026-1030  
 CODEN: SSTEET; ISSN: 0268-1242  
 PB Institute of Physics Publishing  
 DT Journal  
 LA English  
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L2 ANSWER 12 OF 169 CAPLUS COPYRIGHT 2001 ACS  
 AN 1999:782810 CAPLUS  
 DN 132:289501  
 TI Characterization of an E-box-dependent cis element in the smooth muscle  
 .alpha.-actin promoter  
 AU Jung, Frank; **Johnson, A. Daniel**; Kumar, Meenakshi S.; Wei,  
 Beiyang; Hautmann, Martina; Owens, Gary K.; McNamara, Coleen  
 CS Department of Internal Medicine, Division of Cardiology, University of  
 Virginia Health Science Center, Charlottesville, VA, 22908, USA  
 SO Arterioscler., Thromb., Vasc. Biol. (1999), 19(11), 2591-2599  
 CODEN: ATVBFA; ISSN: 1079-5642  
 PB Lippincott Williams & Wilkins  
 DT Journal  
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L2 ANSWER 13 OF 169 CAPLUS COPYRIGHT 2001 ACS  
AN 1999:430926 CAPLUS  
DN 131:180662  
TI Differential activation of the SM.alpha.A promoter in smooth vs. skeletal muscle cells by bHLH factors  
AU **Johnson, A. Daniel**; Owens, Gary K.  
CS Department of Biology, Wake Forest University, Winston-Salem, NC, 27109, USA  
SO Am. J. Physiol. (1999), 276(6, Pt. 1), C1420-C1431  
CODEN: AJPHAP; ISSN: 0002-9513  
PB American Physiological Society  
DT Journal  
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L2 ANSWER 14 OF 169 CAPLUS COPYRIGHT 2001 ACS  
AN 1999:406472 CAPLUS  
DN 131:195409  
TI Gene regulation by the yeast Ssn6-Tup1 corepressor  
AU Wahi, M.; Komachi, K.; **Johnson, A. D.**  
CS Department of Biochemistry and Biophysics, University of California, San Francisco, CA, 94143, USA  
SO Cold Spring Harbor Symp. Quant. Biol. (1998), 63(Mechanisms of Transcription), 447-457  
CODEN: CSHSAZ; ISSN: 0091-7451  
PB Cold Spring Harbor Laboratory Press  
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AN 1999:364015 CAPLUS  
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TI x-ray optics of in situ synchrotron topography of InGaAs on GaAs  
AU Tanner, B. K.; Keir, A. M.; Mock, P.; Whitehouse, C. R.; Lacey, G.; **Johnson, A. D.**; Smith, G. W.; Clark, G. F.  
CS Department of Physics, University of Durham, Durham, DH1 3LE, UK  
SO J. Phys. D: Appl. Phys. (1999), 32(10A), A119-A122  
CODEN: JPAPBE; ISSN: 0022-3727  
PB Institute of Physics Publishing  
DT Journal; General Review  
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TI X-ray optics of in-situ synchrotron topography studies of the early stages

of relaxation in epitaxial InGaAs on GaAs

AU Tanner, B. K.; Keir, A. M.; Mtock, P.; Whitehouse, C. R.; Lacey, G.; **Johnson, A. D.**; Smith, G. W.; Clark, G. F.

CS Department of Physics, University of Durham, Durham, DH1 3LE, UK

SO Proc. SPIE-Int. Soc. Opt. Eng. (1998), 3448(Crystal and Multilayer Optics), 100-107

CODEN: PSISDG; ISSN: 0277-786X

PB SPIE-The International Society for Optical Engineering

DT Journal

LA English

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AN 1999:52427 CAPLUS

DN 130:250256

TI Heat shock proteins in atherosclerosis

AU **Johnson, A. D.**

CS Department of Biology, Wake Forest University, Winston-Salem, NC, 27109, USA

SO Handb. Exp. Pharmacol. (1999), 136(Stress Proteins), 381-402

CODEN: HEPHD2; ISSN: 0171-2004

PB Springer-Verlag

DT Journal; General Review

LA English

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DN 129:255902

TI Two MCAT elements of the SM .alpha.-actin promoter function differentially

in SM vs. non-SM cells

AU Swartz, Ellen A.; **Johnson, A. Daniel**; Owens, Gary K.

CS Department of Molecular Physiology and Biological Physics, University of Virginia School of Medicine, Charlottesville, VA, 22906, USA



SO Am. J. Physiol. (1998), 275(2, Pt. 1), C608-C618  
 CODEN: AJPHAP; ISSN: 0002-9513  
 PB American Physiological Society  
 DT Journal  
 LA English

L2 ANSWER 19 OF 169 CAPLUS COPYRIGHT 2001 ACS  
 AN 1998:461613 CAPLUS  
 DN 129:207611  
 TI Atomic structure of the InSb(001)-c(8.times.2) reconstruction determined by x-ray diffraction  
 AU Jones, N.; Norris, C.; Nicklin, C. L.; Steadman, P.; Baker, S. H.; **Johnson, A. D.**; Bennett, S. L.  
 CS Department of Physics Astron., University of Leicester, Leicester, LE1 7RH, UK  
 SO Surf. Sci. (1998), 409(1), 27-36  
 CODEN: SUSCAS; ISSN: 0039-6028  
 PB Elsevier Science B.V.  
 DT Journal  
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 AN 1998:328934 CAPLUS  
 DN 129:101665  
 TI 4 - 10 .mu.m positive and negative luminescent diodes  
 AU Ashley, T.; Beswick, J. A.; Crowder, J. G.; Dutton, D. T.; Elliott, C. T.; Gordon, N. T.; **Johnson, A. D.**; Maxey, C. D.; Pryce, G. J.; Wang, C. H.  
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 SO Proc. SPIE-Int. Soc. Opt. Eng. (1998), 3279(Light-Emitting Diodes: Research, Manufacturing, and Applications II), 104-112  
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 PB SPIE-The International Society for Optical Engineering  
 DT Journal  
 LA English

=> s baldridge, j?/au  
 L3 20 BALDRIDGE, J?/AU

=> d l3 1-20

L3 ANSWER 1 OF 20 CAPLUS COPYRIGHT 2001 ACS  
 AN 2000:407550 CAPLUS  
 DN 134:36798  
 TI Monophosphoryl lipid A enhances mucosal and systemic immunity to vaccine antigens following intranasal administration  
 AU **Baldridge, Jory R.**; Yorgensen, Yvonne; Ward, Jon R.; Ulrich, J. Terry  
 CS Ribi ImmunoChem Research Inc., Hamilton, MT, 59840, USA  
 SO Vaccine (2000), 18(22), 2416-2425  
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AN 1999:664948 CAPLUS  
DN 132:26772  
TI Monophosphoryl Lipid A (MPL) Formulations for the Next Generation of Vaccines  
AU **Baldrige, Jory R.**; Crane, R. Thomas  
CS Ribi ImmunoChem Research, Inc., Hamilton, MT, 59840, USA  
SO Methods (Orlando, Fla.) (1999), 19(1), 103-107  
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(3) Carozzi, S; J Clin Microbiol 1989, V27, P1748 CAPLUS  
(4) Cumberbatch, M; Immunology 1992, V75, P257 CAPLUS  
(6) Galanos, C; Eur J Biochem 1985, V148, P1 CAPLUS  
(8) Gustafson, G; J Immunother Emphasis Tumor Immunol 1994, V15, P129 CAPLUS  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 3 OF 20 CAPLUS COPYRIGHT 2001 ACS  
AN 1997:302174 CAPLUS  
DN 126:342189  
TI Effective adjuvants for the induction of antigen-specific delayed-type hypersensitivity  
AU **Baldrige, Jory R.**; Ward, Jon R.  
CS Ribi ImmunoChem Research, Inc., Hamilton, MT, 59840, USA  
SO Vaccine (1997), 15(4), 395-401  
CODEN: VACCDE; ISSN: 0264-410X  
PB Elsevier  
DT Journal  
LA English

L3 ANSWER 4 OF 20 CAPLUS COPYRIGHT 2001 ACS  
AN 1996:759902 CAPLUS  
DN 126:30252  
TI Antibody prevents the establishment of persistent arenavirus infection in synergy with endogenous T cells  
AU **Baldrige, Jory R.**; McGraw, Tanya S.; Paoletti, Alyssa; Buchmeier, Michael J.  
CS Div. Virol., Scripps Res. Inst., La Jolla, CA, 92037, USA  
SO J. Virol. (1997), 71(1), 755-758  
CODEN: JOVIAM; ISSN: 0022-538X  
PB American Society for Microbiology  
DT Journal  
LA English

L3 ANSWER 5 OF 20 CAPLUS COPYRIGHT 2001 ACS  
AN 1994:455432 CAPLUS  
DN 121:55432  
TI An H2-T MHC class Ib molecule presents Listeria monocytogenes-derived antigen to immune CD8+ cytotoxic T cells  
AU Bouwer, H. G. Archie; Lindahl, Kirsten, Fischer; **Baldrige, Jory R.**; Wagner, Cynthia R.; Barry, Ronald A.; Hinrichs, David J.  
CS Providence Med. Cent., Earle A. Chiles Res. Inst., Portland, OR, 97213, USA

SO J. Immunol. (1994), 152(11), 5352-60  
 CODEN: JOIMA3; ISSN: 0022-1767  
 DT Journal  
 LA English

L3 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2001 ACS  
 AN 1994:52455 CAPLUS  
 DN 120:52455  
 TI Teratogenic effects of neonatal arenavirus infection on the developing  
 rat cerebellum are abrogated by passive immunotherapy  
 AU **Baldrige, Jory R.**; Pearce, Bradley D.; Parekh, Bharat S.;  
 Buchmeier, Michael J.  
 CS Dep. Neuropharmacol., Scripps Res. Inst., La Jolla, CA, 92037, USA  
 SO Virology (1993), 197(2), 669-77  
 CODEN: VIRLAX; ISSN: 0042-6822  
 DT Journal  
 LA English

L3 ANSWER 7 OF 20 CAPLUS COPYRIGHT 2001 ACS  
 AN 1992:446452 CAPLUS  
 DN 117:46452  
 TI Mechanisms of antibody-mediated protection against lymphocytic  
 choriomeningitis virus infection: mother-to-baby transfer of humoral  
 protection  
 AU **Baldrige, Jory R.**; Buchmeier, Michael J.  
 CS Dep. Neuropharmacol., Scripps Res. Inst., La Jolla, CA, 92037, USA  
 SO J. Virol. (1992), 66(7), 4252-7  
 CODEN: JOVIAM; ISSN: 0022-538X  
 DT Journal  
 LA English

L3 ANSWER 8 OF 20 CAPLUS COPYRIGHT 2001 ACS  
 AN 1986:83042 CAPLUS  
 DN 104:83042  
 TI Periplasmic production of correctly processed human growth hormone in  
 Escherichia coli: natural and bacterial signal sequences are  
 interchangeable  
 AU Gray, Gregory L.; **Baldrige, Jane S.**; McKeown, Kathleen S.;  
 Heyneker, Herbert L.; Chang, Chung Nan  
 CS Genentech, Inc., South Francisco, CA, 94080, USA  
 SO Gene (1985), 39(2-3), 247-54  
 CODEN: GENED6; ISSN: 0378-1119  
 DT Journal  
 LA English

L3 ANSWER 9 OF 20 CAPLUS COPYRIGHT 2001 ACS  
 AN 1984:524115 CAPLUS  
 DN 101:124115  
 TI Cloning, nucleotide sequence, and expression in Escherichia coli of the  
 exotoxin A structural gene of Pseudomonas aeruginosa  
 AU Gray, Gregory L.; Smith, Douglas H.; **Baldrige, Jane S.**;  
 Harkins, Richard N.; Vasil, Michael L.; Chen, Ellison Y.; Heyneker,  
 Herbert  
 L.  
 CS Genentech, Inc., South San Francisco, CA, 94080, USA  
 SO Proc. Natl. Acad. Sci. U. S. A. (1984), 81(9), 2645-9  
 CODEN: PNASA6; ISSN: 0027-8424  
 DT Journal  
 LA English

L3 ANSWER 10 OF 20 CAPLUS COPYRIGHT 2001 ACS  
 AN 1980:185807 CAPLUS  
 DN 92:185807  
 TI Evaluation of intestinal ulcerogenesis potential of potassium chloride solid dosage forms  
 AU Goble, Frans C.; Lillis, William G.; **Baldrige, John**; Jacob, James T.; Casorso, D. Roy  
 CS Berlex Lab., Inc., Cedar Knolls, NJ, 07927, USA  
 SO Curr. Ther. Res. (1980), 27(1), 40-54  
 CODEN: CTCEA9; ISSN: 0011-393X  
 DT Journal  
 LA English

L3 ANSWER 11 OF 20 CAPLUS COPYRIGHT 2001 ACS  
 AN 1978:557038 CAPLUS  
 DN 89:157038  
 TI Rapid determination of quinidine in human plasma by high-performance liquid chromatography  
 AU Achari, Raja G.; **Baldrige, John L.**; Koziol, Theodore R.; Yu, Louis  
 CS Sci. Technol. Div., Cooper Lab., Inc., Cedar Knolls, N. J., USA  
 SO J. Chromatogr. Sci. (1978), 16(6), 271-3  
 CODEN: JCHSBZ; ISSN: 0021-9665  
 DT Journal  
 LA English

L3 ANSWER 12 OF 20 CAPLUS COPYRIGHT 2001 ACS  
 AN 1978:100820 CAPLUS  
 DN 88:100820  
 TI The study of enzyme systems by thermometric titrimetry with digital data acquisition and treatment  
 AU **Baldrige, James Neil**  
 CS Univ. Texas, Austin, Tex., USA  
 SO (1977) 139 pp. Avail.: Univ. Microfilms Int., Order No. 77-28,995  
 From: Diss. Abstr. Int. B 1978, 38(7), 3158  
 DT Dissertation  
 LA English

L3 ANSWER 13 OF 20 CAPLUS COPYRIGHT 2001 ACS  
 AN 1977:506698 CAPLUS  
 DN 87:106698  
 TI Papaverine hydrochloride: The evaluation of two new dosage forms  
 AU Arnold, J. D.; **Baldrige, J.**; Riley, B.; Brody, G.  
 CS Quincy Res. Cent., Kansas City, Mo., USA  
 SO Int. J. Clin. Pharmacol. Biopharm. (1977), 15(5), 230-3  
 CODEN: IJCBDX  
 DT Journal  
 LA English

L3 ANSWER 14 OF 20 CAPLUS COPYRIGHT 2001 ACS  
 AN 1975:603189 CAPLUS  
 DN 83:203189  
 TI Analysis of noncompetitive enzyme inhibitors by thermometric titrimetry  
 AU **Baldrige, J. Neil**; Jespersen, Neil D.  
 CS Dep. Chem., Univ. Texas, Austin, Tex., USA  
 SO Anal. Lett. (1975), 8(9), 683-96  
 CODEN: ANALBP  
 DT Journal  
 LA English

L3 ANSWER 15 OF 20 CAPLUS COPYRIGHT 2001 ACS

AN 1970:486042 CAPLUS  
DN 73:86042  
TI Application of urinary excretion studies to dosage form evaluation  
AU **Baldridge, John L.**  
CS Sherman Lab., Detroit, Mich., USA  
SO Bull. Parenteral Drug Ass. (1969), 23(1), 40-7  
CODEN: BUYRAI  
DT Journal  
LA English

L3 ANSWER 16 OF 20 CAPLUS COPYRIGHT 2001 ACS

AN 1962:12835 CAPLUS

DN 56:12835

OREF 56:2380c-f

TI Phenoxyacetoxy-2-butyne derivatives

IN **Baldridge, Joseph R.**

PA Diamond Alkali Co.

DT Patent

LA Unavailable

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 3005828			US	19580728

L3 ANSWER 17 OF 20 CAPLUS COPYRIGHT 2001 ACS

AN 1960:76429 CAPLUS

DN 54:76429

OREF 54:14563d-h

TI Control of microorganism growth with haloacetic acid esters of acetylenic glycols

IN **Baldridge, Joseph R.**

PA Diamond Alkali Co.

DT Patent

LA Unavailable

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2931754		19600405	US	

L3 ANSWER 18 OF 20 CAPLUS COPYRIGHT 2001 ACS

AN 1959:115375 CAPLUS

DN 53:115375

OREF 53:20682e

TI Grain-fumigant compositions

IN **Baldridge, Joseph R.**

PA Diamond Alkali Co.

DT Patent

LA Unavailable

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2895870		19590721	US	

L3 ANSWER 19 OF 20 CAPLUS COPYRIGHT 2001 ACS

AN 1959:1898 CAPLUS

DN 53:1898

OREF 53:290a-b

TI Stabilization of chlorinated hydrocarbons

IN **Baldridge, Joseph R.**

PA Diamond Alkali Co.

DT Patent

LA Unavailable

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	GB 795891 DE 1053496		19580604	GB DE	

L3 ANSWER 20 OF 20 CAPLUS COPYRIGHT 2001 ACS  
AN 1957:90834 CAPLUS  
DN 51:90834  
OREF 51:16512i,16513a-c  
TI Stabilization of chlorinated hydrocarbons  
IN Skeeters, Maxwell J.; **Baldrige, Joseph R.**  
PA Diamond Alkali Co.  
DT Patent  
LA Unavailable

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	GB 773632 DE 1048572		19570501	GB DE	

=> d l3 abs ibib 1-3

L3 ANSWER 1 OF 20 CAPLUS COPYRIGHT 2001 ACS

AB The induction of protective immunity stemming from vaccines delivered by mucosal routes is dependent on the development of safe and effective mucosal adjuvants. The immunostimulant monophosphoryl lipid A (MPL) was evaluated for its ability to enhance both systemic and mucosal immunity

to

three distinct antigens. Vaccines formulated with MPL and hepatitis B surface antigen, tetanus toxoid or influenza antigens were administered

by

intranasal delivery to mice. In each case the vaccines formulated with MPL resulted in enhanced IgA titers from mucosal samples. Enhanced IgA concns. were detected in samples from both local and distal mucosal

sites.

In addn., the MPL formulated vaccines induced systemic immunity characteristic of a Th1-type of response. Serum IgG2a antibody titers were elevated and cytotoxic T cell activity was enhanced.

ACCESSION NUMBER: 2000:407550 CAPLUS

DOCUMENT NUMBER: 134:36798

TITLE: Monophosphoryl lipid A enhances mucosal and systemic immunity to vaccine antigens following intranasal administration

AUTHOR(S): **Baldrige, Jory R.**; Yorgensen, Yvonne; Ward, Jon R.; Ulrich, J. Terry

CORPORATE SOURCE: Ribl ImmunoChem Research Inc., Hamilton, MT, 59840, USA

SOURCE: Vaccine (2000), 18(22), 2416-2425

CODEN: VACCDE; ISSN: 0264-410X

PUBLISHER: Elsevier Science Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 39

REFERENCE(S): (1) Arend, W; Clin Exp Immun 1986, V64(3), P656

CAPLUS

(3) Carozzi, S; J Clin Microbiol 1989, V27(8), P1748  
CAPLUS

(5) Douce, G; Infect Immun 1997, V65(7), P2821 CAPLUS

(6) el Ghazali, G; Eur J Immun 1993, V23(11), P2740

CAPLUS

(8) Finkelman, F; J Immun 1988, V140(4), P1022 CAPLUS  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 20 CAPLUS COPYRIGHT 2001 ACS

AB Many of the latest trends in vaccine development are dependent on immunol.

adjuvants that mediate and promote a wide variety of immune responses. One promising adjuvant candidate, monophosphoryl lipid A (MPL) immunostimulant, is being investigated with many of these new vaccine approaches in either preclin. or clin. trials. This is possible because different vehicle formulations can significantly influence the type of immunol. response MPL promotes. Procedures are provided for formulating MPL in an aq. vehicle or an oil-in-water emulsion. These two MPL formulations can be beneficial for most vaccine approaches being investigated today. (c) 1999 Academic Press.

ACCESSION NUMBER: 1999:664948 CAPLUS

DOCUMENT NUMBER: 132:26772

TITLE: Monophosphoryl Lipid A (MPL) Formulations for the  
Next

Generation of Vaccines

AUTHOR(S): **Baldrige, Jory R.**; Crane, R. Thomas

CORPORATE SOURCE: Ribi ImmunoChem Research, Inc., Hamilton, MT, 59840, USA

SOURCE: Methods (Orlando, Fla.) (1999), 19(1), 103-107

CODEN: MTHDE9; ISSN: 1046-2023

PUBLISHER: Academic Press

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 31

REFERENCE(S): (1) Arend, W; Clin Exp Immunol 1986, V64, P656 CAPLUS

(3) Carozzi, S; J Clin Microbiol 1989, V27, P1748  
CAPLUS

(4) Cumberbatch, M; Immunology 1992, V75, P257 CAPLUS

(6) Galanos, C; Eur J Biochem 1985, V148, P1 CAPLUS

(8) Gustafson, G; J Immunother Emphasis Tumor Immunol  
1994, V15, P129 CAPLUS

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 3 OF 20 CAPLUS COPYRIGHT 2001 ACS

AB Vaccines utilizing poorly immunogenic subunit antigens are dependent upon adjuvants to drive the appropriate T cell responses. In an effort to det.

the ability of several adjuvants to promote cell-mediated immunity (CMI), we assessed delayed-type hypersensitivity (DTH) in mice inoculated with heat-killed *Listeria monocytogenes* (HKLM) vaccines. The vaccines were formulated as oil-in-water emulsions contg. one or more of the following bacterial-derived immunostimulators: MPL immunostimulant, a

monophosphoryl

lipid A prepn., synthetic trehalose dicorynomycolate (TDCM) and *Mycobacterium phlei* cell wall skeleton (CWS). Oil-in-water emulsions contg. HKLM without adjuvants did not induce DTH responsiveness in mice. The incorporation of TDCM, or MPL plus TDCM and/or CWS to the formulation enabled the HKLM vaccine to stimulate CMI characterized by DTH responsiveness. Following antigen challenge the resulting increases in footpad thickness ranged from 15-20% and were comparable to the DTH

driven

by complete Freund's adjuvant. Adjuvants composed of MPL/TDCM and MPL/TDCM/CWS induced responses equiv. to those measured in mice immunized with viable *L. monocytogenes*, and the responses remained at these levels for at least 2 mo. Furthermore, in vivo depletion of CD4+ T cells, but

not CD8+ T cells, abrogated the induction and expression of DTH, indicating that the response is mediated by CD4+ T cells.

ACCESSION NUMBER: 1997:302174 CAPLUS  
DOCUMENT NUMBER: 126:342189  
TITLE: Effective adjuvants for the induction of  
antigen-specific delayed-type hypersensitivity  
AUTHOR(S): **Baldrige, Jory R.**; Ward, Jon R.  
CORPORATE SOURCE: Ribi ImmunoChem Research, Inc., Hamilton, MT, 59840,  
USA  
SOURCE: Vaccine (1997), 15(4), 395-401  
CODEN: VACCDE; ISSN: 0264-410X  
PUBLISHER: Elsevier  
DOCUMENT TYPE: Journal  
LANGUAGE: English

=> s sowell, g?/au  
L4 13 SOWELL, G?/AU

=> d 14 1-13

L4 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2001 ACS  
AN 1999:322307 CAPLUS  
DN 131:67266  
TI Certified reference material 146 - high enriched uranium gamma  
spectroscopy standards  
AU Baran, D. T.; Johnson, K. D.; **Sowell, G. A.**; Narayanan, U. I.;  
Oldham, R. D.; Mitchell, W. G.; Stiffin, A. V.; Spaletto, M. I.;  
Zebrowski, J. P.; Orłowicz, G. J.; Orłowicz, F. P.; Schiedelman, K. S.;  
Sickels, J. T.; Dallmann, D. E.; Thomas, M. W.; Mason, R. A.  
CS New Brunswick Laboratory, Argonne, IL, 60439, USA  
SO Nucl. Mater. Manage. (1998), 27(2), 1280-1284  
CODEN: NUMMB8; ISSN: 0362-0034  
PB Institute of Nuclear Materials Management  
DT Journal  
LA English

L4 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2001 ACS  
AN 1997:688861 CAPLUS  
DN 127:354778  
TI Preparation and evaluation of nondestructive assay standards for uranium  
spectroscopy  
AU Zebrowski, J. P.; Baran, D. T.; **Sowell, G. A.**; Johnson, K. D.;  
Traina, A. J.; Mason, P. B.; Frank, I. W.; Smith, M. M.; Johnson, Cynthia  
CS New Brunswick Laboratory, Argonne, IL, USA  
SO Nucl. Mater. Manage. (1996), 25, 172-177  
CODEN: NUMMB8; ISSN: 0362-0034  
PB Institute of Nuclear Materials Management  
DT Journal  
LA English

L4 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2001 ACS  
AN 1997:324579 CAPLUS  
DN 126:317255  
TI Application of electroreductive cyclization to the synthesis of natural  
products  
AU Little, R. Daniel; Schwaebe, Michael; Mikesell, Peter; Carroll, Georgia;  
**Sowell, Gregory**; Caskey, Terry  
CS Department of Chemistry, University of California, Santa Barbara, 93106,  
Can.  
SO Proc. - Electrochem. Soc. (1997), 97-6(Fundamentals and Potential



Applications of Electrochemical Synthesis), 25-28  
 CODEN: PESODO; ISSN: 0161-6374  
 PB Electrochemical Society  
 DT Journal  
 LA English

L4 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2001 ACS  
 AN 1995:258043 CAPLUS  
 DN 122:117416  
 TI An electroreductive cyclization approach to the bicyclo[3.2.1] framework  
 AU Little, R. Daniel; Wolin, Ronald; **Sowell, Gregory**  
 CS Dep. Chem., Univ. California, Santa Barbara, CA, 93106, USA  
 SO Denki Kagaku oyobi Kogyo Butsuri Kagaku (1994), 62(12), 1105-8  
 CODEN: DKOKAZ; ISSN: 0366-9297  
 DT Journal  
 LA English

L4 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2001 ACS  
 AN 1988:212357 CAPLUS  
 DN 108:212357  
 TI Electroreductive cyclization. Ketones and aldehydes tethered to  
 .alpha.,.beta.-unsaturated esters (nitriles). Fundamental investigations  
 AU Little, R. Daniel; Fox, Dennis P.; Van Hijfte, Luc; Dannecker, Robert;  
**Sowell, Gregory**; Wolin, Ronald L.; Moens, Luc; Baizer, Manuel M.  
 CS Dep. Chem., Univ. California, Santa Barbara, CA, 93106, USA  
 SO J. Org. Chem. (1988), 53(10), 2287-94  
 CODEN: JOCEAH; ISSN: 0022-3263  
 DT Journal  
 LA English

L4 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2001 ACS  
 AN 1984:479936 CAPLUS  
 DN 101:79936  
 TI Analytic calculation of the fourth-order quantum-chromodynamic  
 contribution to the nonsinglet quark longitudinal structure function  
 AU Devoto, A.; Duke, D. W.; Kimel, J. D.; **Sowell, G. A.**  
 CS Dep. Phys., Florida State Univ., Tallahassee, FL, 32306, USA  
 SO Phys. Rev. D (1984), 30(3), 541-59  
 CODEN: PRVDAQ; ISSN: 0556-2821  
 DT Journal  
 LA English

L4 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2001 ACS  
 AN 1984:181470 CAPLUS  
 DN 100:181470  
 TI A new calculation of the order-g<sub>4</sub> QCD corrections to the longitudinal  
 structure function  
 AU Devoto, A.; Duke, D. W.; Kimel, J. D.; **Sowell, G. A.**  
 CS Dep. Phys., Florida State Univ., Tallahassee, FL, 32306, USA  
 SO Phys. Lett. B (1984), 138B(5-6), 418-20  
 CODEN: PYLBAJ; ISSN: 0370-2693  
 DT Journal  
 LA English

L4 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2001 ACS  
 AN 1983:168368 CAPLUS  
 DN 98:168368  
 TI Higher-order quantum-chromodynamic corrections to the longitudinal  
 coefficient function in deep-inelastic scattering  
 AU **Sowell, Glenn Allen**  
 CS Florida State Univ., Tallahassee, FL, USA

SO (1982) 182 pp. Avail.: Univ. Microfilms Int., Order No. DA8304081  
 From: Diss. Abstr. Int. B 1983, 43(9), 2940  
 DT Dissertation  
 LA English

L4 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2001 ACS  
 AN 1982:59216 CAPLUS  
 DN 96:59216  
 TI Fourth-order quantum-chromodynamic corrections to the longitudinal  
 coefficient function in deep-inelastic scattering  
 AU Duke, D. W.; Kimel, J. D.; **Sowell, G. A.**  
 CS Florida State Univ., Tallahassee, FL, 32306, USA  
 SO Phys. Rev. D (1982), 25(1), 71-83  
 CODEN: PRVDAQ; ISSN: 0556-2821  
 DT Journal  
 LA English

L4 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2001 ACS  
 AN 1981:627087 CAPLUS  
 DN 95:227087  
 TI A fourth-order calculation of the longitudinal structure function in deep  
 inelastic scattering  
 AU Duke, D. W.; Kimel, J. D.; **Sowell, G. A.**  
 CS Florida State Univ., Tallahassee, FL, 32306, USA  
 SO AIP Conf. Proc. (1981), 74(Perturbative Quantum Chromodyn.), 193-206  
 CODEN: APCPCS; ISSN: 0094-243X  
 DT Journal  
 LA English

L4 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2001 ACS  
 AN 1959:85736 CAPLUS  
 DN 53:85736  
 OREF 53:15451e-g  
 TI Tomato-fungicide testing on the west coast of Florida  
 AU **Sowell, Grover, Jr.**  
 CS Gulf Coast Expt. Sta., Bradenton, FL  
 SO Plant Disease Reptr. (1959), 43, 193-7  
 DT Journal  
 LA Unavailable

L4 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2001 ACS  
 AN 1959:64664 CAPLUS  
 DN 53:64664  
 OREF 53:11744d-f  
 TI Cucumber fungicide testing on the west coast of Florida  
 AU **Sowell, Grover, Jr.**  
 CS Cornell Univ., Ithaca, NY  
 SO Plant Disease Reptr. (1958), 42, 1333-6  
 DT Journal  
 LA Unavailable

L4 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2001 ACS  
 AN 1957:94193 CAPLUS  
 DN 51:94193  
 OREF 51:17059g-h  
 TI Streptomycin assay as it relates to control of bacterial spot  
 AU **Sowell, Grover, Jr.**  
 CS Florida Agr. Expt. Sta., Bradenton  
 SO Proc. Florida State Hort. Soc. (1956), 69, 244-7  
 DT Journal  
 LA Unavailable

=> file .carb

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

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FULL ESTIMATED COST

65.48

66.98

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

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=> s amino(w)alkyl(w)glucosamine(w)phosphate?

L5 0 AMINO(W) ALKYL(W) GLUCOSAMINE(W) PHOSPHATE?

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

8.52

75.50

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

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for details.

=> e 2-deoxy-2-amino glucose/cn

E1 1 2-DEOXY-2-ACETAMIDO-D-GALACTOSE/CN

E2 1 2-DEOXY-2-ACETAMIDOGALACTONOLACTONE/CN

E3 0 --> 2-DEOXY-2-AMINO GLUCOSE/CN

E4 1 2-DEOXY-2-AMINO-D-GLUCITOL 6-PHOSPHATE/CN

E5 1 2-DEOXY-2-AMINO-D-GLUCOSE/CN

E6 1 2-DEOXY-2-AMINO-D-GLUCOSE HYDROCHLORIDE/CN

E7 1 2-DEOXY-2-AMINOGLUCOSE/CN

E8 1 2-DEOXY-2-AMINOKEALIIQUINONE/CN

E9 1 2-DEOXY-2-C-HYDROXYMETHYLTETRITOL/CN  
E10 1 2-DEOXY-2-C-HYDROXYMETHYLTETROSE/CN  
E11 1 2-DEOXY-2-C-METHYL-MYO-INOSITOL/CN  
E12 1 2-DEOXY-2-C-PHENYL-D-MANNOSE/CN

=> s e5

L6 1 2-DEOXY-2-AMINO-D-GLUCOSE/CN

=> d rn cn

L6 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS  
RN 3416-24-8 REGISTRY  
CN D-Glucose, 2-amino-2-deoxy- (8CI, 9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN 2-Amino-2-deoxy-D-glucopyranose  
CN 2-Amino-2-deoxy-D-glucose  
CN 2-Amino-2-deoxyglucose  
CN **2-Deoxy-2-amino-D-glucose**  
CN 2-Deoxy-2-aminoglucose  
CN Chitosamine  
CN D-Glucosamine  
CN Glucosamine

=> fil .carb

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	6.39	81.89

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-1.76

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=> s l6

L7 14328 L6

=> s l7 and aminoalkyl?

L8 5 L7 AND AMINOALKYL?

=> d l8 abs ibib 1-5

L8 ANSWER 1 OF 5 MEDLINE  
AB A novel series of acylated omega-**aminoalkyl** 2-amino-2-deoxy-4-phosphono-beta-D-glucopyranosides (**aminoalkyl** glucosaminide 4-phosphates) was synthesized and screened for immunostimulant activity. Several of these compounds enhance the production of tetanus toxoid-specific antibodies in mice and augment vaccine-induced cytotoxic

T

cells against EG.7-ova target cells.

ACCESSION NUMBER: 1999393251 MEDLINE  
DOCUMENT NUMBER: 99393251 PubMed ID: 10465560  
TITLE: Synthesis and biological evaluation of a new class of vaccine adjuvants: **aminoalkyl** glucosaminide 4-phosphates (AGPs).  
AUTHOR: Johnson D A; Sowell C G; Johnson C L; Livesay M T; Keegan D  
S; Rhodes M J; Ulrich J T; Ward J R; Cantrell J L; Brookshire V G  
CORPORATE SOURCE: Pharmaceutical Discovery Division, Ribic ImmunoChem Research, Inc., Hamilton, MT 59840, USA.  
CONTRACT NUMBER: 1R43 AI41811-01 (NIAID)  
SOURCE: BIOORGANIC AND MEDICINAL CHEMISTRY LETTERS, (1999 Aug 2) 9 (15) 2273-8.  
Journal code: C8B; 9107377. ISSN: 0960-894X.  
PUB. COUNTRY: ENGLAND: United Kingdom  
Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199911  
ENTRY DATE: Entered STN: 20000111  
Last Updated on STN: 20000111  
Entered Medline: 19991124

L8 ANSWER 2 OF 5 MEDLINE  
ACCESSION NUMBER: 69010230 MEDLINE  
DOCUMENT NUMBER: 69010230 PubMed ID: 5601108  
TITLE: [Linkage of D-glucosamine with antimitotic amines and beta-  
**aminoalkylating** agents. 11. Potential cytostatic agents].  
Verknupfung von D-Glucosamin mit antimitotischen Aminen  
und  
beta-**Aminoalkylantien**. 11. Potentielle Cytostatica.  
AUTHOR: Dorn H; Welfle H  
SOURCE: PHARMAZIE, (1967 Oct) 22 (10) 558-61.  
Journal code: P4D; 9800766. ISSN: 0031-7144.  
PUB. COUNTRY: GERMANY, EAST: German Democratic Republic  
Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: German  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 196812  
ENTRY DATE: Entered STN: 19900101  
Last Updated on STN: 19900101  
Entered Medline: 19681204

L8 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2001 ACS  
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\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

AB Title compds. [I; R1-R10 = H, alkyl, alkenyl, alkynyl, halo, haloalkyl, (poly)glycol residue, hydroxyalkyl, alkoxyalkyl, **aminoalkyl**, SH, carboxyalkyl, alkoxy carbonyl, aryloxy carbonyl, CO<sub>2</sub>H, PO<sub>3</sub>H<sub>2</sub>, etc.; .gtoreq.1 of R1-R10 = (CH<sub>2</sub>)<sub>n</sub>A(CH<sub>2</sub>)<sub>m</sub>B; A = CH<sub>2</sub>, O, S, NH, NR11; R11 = alkyl, alkenyl, alkynyl, halo, haloalkyl, hydroxyalkyl, SH, PO<sub>3</sub>H<sub>2</sub>,

(poly)glycol residue, etc.; B = alkenyl, alkynyl, halo, haloalkyl, hydroxyalkyl, (poly)glycol residue, SH, substituted alkyl, PO<sub>3</sub>H<sub>2</sub>, amino, hydroxyalkyl, aryl, silyl, siloxy, aminoaryl, amino, amidoaryl, sugar residue, metal chelating group, (modified) nucleobase, oligonucleotide residue, (modified) sapphyrin residue, steroid residue, amino acid residue, peptide residue, polymeric or solid support matrix, etc.; n, m = 0-10], were prepd. Thus, 3,12,13,22-tetraethyl-8,17-bis(carboxyethyl)-2,7,18,23-tetramethylsapphyrin was stirred with (COCl)<sub>2</sub> in CH<sub>2</sub>Cl<sub>2</sub> contg. cat. DMF to give the bis acid chloride; this in CH<sub>2</sub>Cl<sub>2</sub> was added to a soln. of 1-(2-aminoethyl)-4-[(triphenylmethyl)amino]pyrimidin-2-one, 4-dimethylaminopyridine, and pyridine in CH<sub>2</sub>Cl<sub>2</sub> and the mixt. was stirred 12 h to give 89.9% bis-amide deriv, which was refluxed in CF<sub>3</sub>CO<sub>2</sub>H to give title compd. II. II selectively effected transport of GMP across a liq. membrane at or near neutral pH. Sapphyrin binds to the phosphate

backbone

of DNA, and sapphyrin derivs. and conjugates may be useful as research tools and drugs.

ACCESSION NUMBER: 1995:632050 CAPLUS  
DOCUMENT NUMBER: 123:32862  
TITLE: Preparation of sapphyrin derivatives, conjugates, polymers, and chromatographic supports  
INVENTOR(S): Sessler, Jonathan L.; Iverson, Brent L.; Kral, Vladimir; Shreder, Kevin; Furuta, Hiroyuki; Thomas, Richard E.  
PATENT ASSIGNEE(S): Board of Regents, the University of Texas System, USA  
SOURCE: PCT Int. Appl., 201 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 7  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9409003	A1	19940428	WO 1993-US9994	19931018
W: AT, AU, BB, BG, BR, BY, CA, CH, CZ, DE, DK, ES, FI, GB, HU, JP, KP, KR, KZ, LK, LU, LV, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SK, UA, US, VN				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
US 5457195	A	19951010	US 1992-964607	19921021
AU 9453644	A1	19940509	AU 1994-53644	19931018
US 5808059	A	19980915	US 1995-424288	19950828
PRIORITY APPLN. INFO.:			US 1992-964607	19921021
			US 1989-454298	19891221
			WO 1993-US9994	19931018
OTHER SOURCE(S):			MARPAT 123:32862	

L8 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2001 ACS

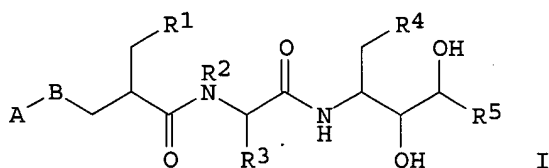
AB The title process comprises forming an **aminoalkylsilane** (or epoxysilane) coupling layer on a plastic base coated with a SiO<sub>x</sub>-contg. metal oxide layer (x = 1-2) and treating with a straight-chain saccharide deriv. contg. carboxyl groups (or amino groups) that the amino and the carboxyl groups (or epoxy groups) react to form a hydrophilic org. group. Vacuum deposition of a SiO<sub>2</sub> layer on a polycarbonate sheet, coating a coupling layer of .gamma.-aminopropyltriethoxysilane on the sheet, and reacting the silane with tartaric acid in a buffer soln. resulted in a hydrophilic antifogging layer with good water and scratch resistance.

ACCESSION NUMBER: 1994:109601 CAPLUS  
DOCUMENT NUMBER: 120:109601  
TITLE: Manufacture of durable antifogging plastics

INVENTOR(S): Tajima, Yosuke; Uehara, Takeshi; Noguchi, Kazuhiro  
 PATENT ASSIGNEE(S): Sekisui Chemical Co Ltd, Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 27 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 05202216	A2	19930810	JP 1992-281610	19921020
PRIORITY APPLN. INFO.:			JP 1991-272462	19911021
OTHER SOURCE(S):			MARPAT 120:109601	

L8 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2001 ACS  
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AB Title compds. [I; R1 = cycloalkyl, (substituted) Ph, naphthyl, thienyl, pyridyl, quinolinyl, isoquinolinyl, PhCH<sub>2</sub>; R2 = H, Me; R3 = H, OH, alkyl, alkoxy, alkenyloxy, alkylthio, alkylthioalkyl, alkoxycarbonyl, imidazol-1-ylmethyl, 2-aminoimidazol-4-ylmethyl, pyrazol-1-ylmethyl, thiazol-2-ylmethyl, thienylmethyl, furylmethyl, aminocarbonyl; R4 = (substituted) cycloalkyl, (halo)phenyl; R5 = cycloalkyl, cycloalkylalkyl, alkyl; B = S, SO, SO<sub>2</sub>; A = X(CR<sub>8</sub>R<sub>9</sub>)nCR<sub>6</sub>R<sub>7</sub>; R6, R7, R8 = H, alkyl; R9 = H, alkyl, hydroxyalkyl, amino, alkoxycarbonylamino, benzyloxycarbonylamino;

n  
 = 0, 1; X = YCO, ZO; Y = (substituted) cycloalkylamino, sulfoalkylamino, bisalkoxyalkylamino, pyridylalkylamino, morpholinoalkylamino, pyrazinylalkylamino, alkoxycarbonylalkylamino, hydroxyalkylamino, amino, etc.; Z = H, alkylcarbonyl, PhCO, cycloalkylcarbonyl, alkylaminocarbonyl, phenylaminocarbonyl, alkoxyalkylcarbonyl, cycloalkylcarbonyl, (substituted) **aminoalkylcarbonyl**], were prepd. Thus, racemic .alpha.-[[1-carbanoyl-1-methylethyl)sulfonyl)methyl]hydrocinnamic acid

and  
 (S)-.alpha.-amino-N-[(1S,2R,3S)-1-(cyclohexylmethyl)-3-cyclopropyl-2,3-dihydroxypropyl]imidazole-4-propionamide (prepn. given) were coupled

using  
 hydroxybenzotriazole, O-benzotriazolyl-N,N,N',N'-tetramethyluronium hexafluorophosphate, and Et<sub>3</sub>N in DMF to give (S)-.alpha.-[(R and

S)-.alpha.-[[1-carbamoyl-1-methylethyl)sulfonyl)methyl]hydrocinnamido]-N-[(1S,2R,3S)-1-(cyclohexylmethyl)-3-cyclopropyl-2,3-dihydroxypropyl]imidazol-4-propionamide. I inhibited human renin with IC<sub>50</sub> = 0.3-0.30 nM. Drug formulations contg. specific I are given.

ACCESSION NUMBER: 1993:539784 CAPLUS  
 DOCUMENT NUMBER: 119:139784  
 TITLE: Preparation of peptide analogs as renin inhibitors  
 INVENTOR(S): Branca, Quirico; Heitz, Marie Paule; Neidhart, Werner;  
 Stadler, Heinz; Vieira, Eric; Wostl, Wolfgang

PATENT ASSIGNEE(S): Hoffmann-La Roche, F., AG, Switz.  
 SOURCE: Eur. Pat. Appl., 50 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 509354	A2	19921021	EP 1992-105879	19920406
EP 509354	A3	19930616		
EP 509354	B1	20000823		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, MC, NL, PT, SE				
CA 2064955	AA	19921018	CA 1992-2064955	19920402
AT 195731	E	20000915	AT 1992-105879	19920406
ES 2150907	T3	20001216	ES 1992-105879	19920406
AU 9214788	A1	19921022	AU 1992-14788	19920409
AU 659832	B2	19950601		
HU 62864	A2	19930628	HU 1992-1224	19920410
NO 9201520	A	19921019	NO 1992-1520	19920415
JP 05155847	A2	19930622	JP 1992-121395	19920415
JP 2628820	B2	19970709		
US 5393875	A	19950228	US 1993-100959	19930803
PRIORITY APPLN. INFO.:			CH 1991-1146	A 19910417
			CH 1992-523	A 19920220
			US 1992-868054	B1 19920413
OTHER SOURCE(S):		MARPAT 119:139784		

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